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**LIBRARY RECEIVED**  
**Attract More Pheasants!**  
★ APR 27 1950 ★  
**Quail! Grouse!**  
U. S. Department of Agriculture

**Song Birds**  
**and**  
**Other Wildlife!**

Plant Their Favorite Natural Foods!

**TREES**  
**SHRUBS**  
**VINES**  
**WILDFLOWERS**



*Knickerbocker's*  
**WILD LIFE NURSERIES**

*SPECIALISTS*

In Natural Foods for Wild Life

Jackson Drive Road R5, Box 26 Oshkosh, Wis., U. S. A.





# Natural Foods for Upland Game Birds, Waterfowl, Song Birds and Other Wildlife

The secret in attracting Quail, Pheasants, Grouse, Song Birds or any other Wildlife, lies in furnishing them with plenty of food, cover, shelter, escape and concealment areas, and nesting sites. Food patches should always be near adequate cover. Travel lanes, in the case of Quail, Pheasants or other upland game, furnishing cover, concealment and protection for game birds, should be established — fence-rows planted with climbing vines, shrubs, trees, provide this sort of cover in a most excellent way, and they also furnish an abundance of food in the berries, and seeds they produce.

## *Keep the Game at Home*

If wildlife on your property does not find enough food, it leaves for other areas in search of food, or becomes weak, and undernourished, and easy prey for predators. Provide important food and cover for your game birds by planting the following food-producing plants.

### TREES, SHRUBS, VINES AND PLANTS THAT FURNISH FOOD AND SHELTER FOR SONG BIRDS, QUAIL, PHEASANTS, PRAIRIE CHICKEN, WILD TURKEY, GROUSE AND OTHER GAME AND WILDLIFE.

These plants are ornamental and add much to the natural beauty of areas where planted.

KEY:—

W — Will grow in moist to wet situations, as well as in garden soil and lawns.

R — Rapid-growing.

C — Provides cover.

T — Thicket-forming for cover and concealment.

X — Transplant.

S — Seedlings.

## VINES

	per 10	per 100
Virginia Creeper ( <i>Ampelopsis quinquefolia</i> )		
R, C, T, 12 to 18 inches .....	\$4.50	\$29.00
Northern Bearberry ( <i>Arcto uva ursi</i> ) Pot-grown plants (most successfully transplanted) 6 to 9 inches .....	8.00	75.00
Rooted layers .....	3.50	25.00
American Bittersweet ( <i>Celastrus scandens</i> )		
1½ to 3 ft., R, C .....	5.00	25.00
Climbing Honeysuckle ( <i>Lonicera japonica</i> )		
R, W .....	4.50	29.00
Climbing Wild Rose ( <i>Rosa setigera</i> )		
2 to 3 ft. ....	8.00	59.00
1½ to 2 ft. ....	6.00	45.00
Pheasant Berry ( <i>Solanum dulcamara</i> ) 1 to 3 ft.		
R, C, W (Berry-bearing size) .....	5.00	19.00
Vinca minor (Ground Cover) Northern and Southern grown) Clumps .....	4.00	25.00
Southern Lining out plants, heavy .....	1.50	10.00
Summer Grape ( <i>Vitis aestivalis</i> ) (best on warm, gravelly, well-drained soil; fairly resistant to cold and drought), 1 year, No. 1 vines, R, C .	1.50	12.00
Frost Grape ( <i>Vitis cordifolia</i> ) Resists drought; very resistant to cold. 1 year No. 1 vines, R, C .....	2.00	15.00



## TREES

	per 10	per 100
Hardy Catalpa ( <i>Catalpa speciosa</i> ) 2 to 3 ft. . .	\$3.00	\$12.00
River Birch ( <i>Betula nigra</i> ) W, R, C, 18 to 24 inches . . . . .	2.90	11.00
Hornbeam ( <i>Carpinus carolinensis</i> ) W, R, 1 to 2 ft. . . . .	4.00	19.00
Hackberry ( <i>Celtis occidentalis</i> ) 6 to 12 in., R .	1.75	6.00
12 to 18 in., R . . . . .	2.50	19.00
American Redbud ( <i>Cercis canadensis</i> ) 1 to 1½ ft., Q, D, R . . . . .	5.00	28.00
Flowering Dogwood ( <i>Cornus Florida</i> ) 2 to 3 ft. . . . .	9.00	50.00
1 to 1½ ft. . . . .	4.50	30.00
American Beechnut ( <i>Fagus americana</i> ) 2 to 4 ft., R . . . . .	12.00	60.00
1 to 2 ft., R . . . . .	2.00	15.00
White Ash ( <i>Fraxinus americana</i> ) 1 to 2 ft., R .	4.00	24.00
Green Ash ( <i>Fraxinus lanceolata</i> ) 1 to 2 ft., S, R . . . . .	1.50	12.00
Black Walnut ( <i>Juglans nigra</i> ) 2 to 3 ft., R . . . . .	4.00	21.00
1 to 1½ ft., S . . . . .	2.00	12.00
Wild Sweet Crab ( <i>Malus coronaria</i> ) (Excellent for Pheasants) 2 to 3 ft., C . . . . .	6.00	30.00
Hopa, Bechtels Flowering Crab ( <i>Malus</i> ) 2 to 3 ft., C . . . . .	5.00	26.00
Russian Mulberry ( <i>Morus alba tatarica</i> ) 2 to 3 ft., R . . . . .	3.00	16.00
Hophornbeam ( <i>Ostrya</i> ) 1½ to 3 ft. . . . .	6.00	29.00
Northern Red Oak ( <i>Quercus borealis</i> ) 1 to 3 ft., R . . . . .	6.00	35.00
American Mountain Ash ( <i>Sorbus americana</i> ) 9 to 12 inches, S . . . . .	2.50	20.00
Weeping Willow ( <i>Salix</i> ) 2 to 4 ft., very fine stock, W, R . . . . .	2.50	18.00

## SHRUBS

	per 10	per 100
Serviceberry ( <i>Amelanchier canadensis</i> ) 2 to 3 ft. clumps, W, R . . . . .	\$14.00	\$75.00
1 to 3 ft. . . . .	4.50	30.00
4 to 6 inches . . . . .	2.00	15.00
Spicebush ( <i>Benzoin aestivalis</i> ) 18 to 24 inches, R, C, W . . . . .	2.75	19.00
Japanese Barberry ( <i>Berberis thunbergii</i> ) 9 to 12 inches . . . . .	3.00	19.00
6 to 9 inches . . . . .	1.50	10.00
Button Bush ( <i>Cephalanthus occidentalis</i> ) 6 to 18 inches, W, R . . . . .	2.00	16.00
2 to 3 ft. clumps, W, R . . . . .	7.50	60.00
Gray Dogwood ( <i>Cornus paniculata</i> ) 2 to 3 ft. clumps, W, R . . . . .	9.00	65.00
1 to 2 ft., W, R . . . . .	2.50	18.00
Red-bark Dogwood ( <i>Cornus stolonifera</i> ) 2 to 4 ft., W, R . . . . .	9.00	60.00
American Hazelnut ( <i>Corylus americana</i> ) 1 to 3 ft., R, C . . . . .	3.00	19.00
Thicket Hawthorn ( <i>Craetagus intricata</i> ) 1 to 3 ft., C . . . . .	7.00	40.00
Wahoo ( <i>Evonymous atropurpureus</i> ) 18 to 24 inches, R . . . . .	7.50	60.00
Sweetgale ( <i>Myrica gale</i> ) 1 to 3 ft. . . . .	3.50	28.00
2 to 3 ft. clumps . . . . .	12.50	75.00
Bayberry ( <i>Myrica pennsylvanica</i> ) 6 to 12 inch clumps . . . . .	8.50	65.00
Ninebark ( <i>Physocarpus</i> ) (Seed-bearing size) 3 to 5 ft., R . . . . .	9.00	70.00
Dwarf Sumac ( <i>Rhus copallina</i> ) 1½ to 3 ft., R, C . . . . .	6.00	45.00



SHRUBS (Continued)	per 10	per 100
Smooth Sumac ( <i>Rhus glabra</i> ) 1½ to 3 ft., R, C .....	\$ 4.00	\$35.00
Staghorn Sumac ( <i>Rhus typhina</i> ) 1 to 2 ft., R, C .....	3.50	20.00
Fragrant Sumac ( <i>Rhus aromatica</i> ) 1½ to 3 ft., R, T, C .....	8.00	55.00
American Plum ( <i>Prunus americana</i> ) ¼ inch cal. up, R, C .....	3.50	19.00
Bird Cherry ( <i>Prunus pennsylvanicum</i> ) 2 to 3 ft., R, C .....	3.00	19.00
Sweet Elder ( <i>Sambucus canadensis</i> ) 2 to 3 ft., R, W .....	4.00	28.00
Scarlet Elder ( <i>Sambucus pubens</i> ) Berries not edible. 9 to 12 inches, S .....	1.50	12.00
1 to 1½ ft., R .....	3.00	18.00
Meadowsweet ( <i>Spiraea latifolia</i> ) (Maine, Ohio, Georgia, eastward), T, 6 to 18 inches ....	3.00	15.00
2 to 3 ft. clumps .....	12.00	60.00
Coralberry ( <i>Symphoricarpos vulgaris</i> ), 1½'-3'	3.00	23.00
Arrow-wood <i>Viburnum</i> ( <i>Viburnum dentatum</i> ) 1 to 2 ft., T .....	2.50	20.00
Nannyberry ( <i>Viburnum lentago</i> ) 1 to 2 ft., R, T .....	2.75	23.00
Highbush Cranberry ( <i>Viburnum americanum</i> ) 1 to 2 ft., R, W .....	4.50	45.00
4 to 6 inches, X, R, W .....	1.75	15.00
Choke Cherry ( <i>Prunus virginiana</i> ) 4 to 6 inches, 1 year, S .....	2.50	12.00

## EVERGREENS

	per 25	per 100
Balsam Fir ( <i>Abies balsamae</i> ), 3 year, 4 to 6 inches, S, R, C .....	\$ 4.50	\$15.00
6 to 8 inches, X .....	6.75	23.00
Andorra Juniper ( <i>Juniperus Communis</i> depressa plumosa) 6 to 8 inches, X, R, C ..	12.75	45.00
Irish Juniper ( <i>Juniperus Hibernica</i> ) 9 to 12 inches, X, R, C .....	12.50	45.00
Pfitzer's Juniper ( <i>Juniperus pfitzeriana</i> ) 6 to 9 inches, X .....	16.00	55.00
Red Cedar ( <i>Juniper virginiana</i> ), 2 year, 4 to 6 inches, S, R .....	5.00	15.00
18 to 24 inches, XX, R .....	23.00	85.00
White Spruce ( <i>Picea alba</i> ) 4 to 6 inches, X, R, C .....	5.00	16.00
2 years S, 5 to 7 inches, R, C .....	5.00	19.00
Colorado Blue Spruce ( <i>Picea pungens</i> ) 2 years S, 6 to 8 inches, R .....	6.25	20.00
Norway Spruce ( <i>Picea excelsa</i> ) 2 years, 5 to 7 inches, S, R .....	4.25	15.00
Jack Pine ( <i>Pinus banksiana</i> ) 2 years, 12 to 16 inches, XX, R, W .....	5.00	18.00
Mugho Pine ( <i>Pinus mughus</i> ) 4 to 6 inches, X, R, C .....	6.25	20.00
Norway Pine ( <i>Pinus Resinosa</i> ) 2 years, 12 to 16 inches, XX, R .....	7.00	25.00
Scotch Pine ( <i>Pinus Sylvestris</i> ) 1 year X, 5 to 7 inches, R .....	4.50	15.00
6 to 9 inches, X, R .....	5.00	19.00
White Cedar ( <i>Thuja occidentalis</i> ) 2 years X, 4 to 6 inches, R, W, C .....	5.00	15.00
3 years, 6 to 9 inches, X, R, W, C .....	7.00	25.00
Globe Arbor Vitae ( <i>Thuja occ. globosa</i> ) 4 to 6 inches, X, R .....	12.75	50.00
8 to 10 inches, XX .....	18.00	65.00
Pyramidal Arbor Vitae ( <i>Thuja pyramidalis</i> ) 8 to 12 inches, XX, R .....	20.00	70.00
Hemlock ( <i>Tsuga canadensis</i> ) 2 years, 2 to 4 inches, S, R, W .....	4.50	15.00



# Food Patches for Upland Game Birds



The term "food patches" refers to plots of grains, seeds, foliage, and tuber-producing crop plants, most of which are planted each year. The soils should be prepared for these food patches, as you would prepare it for sowing other grains. Plant in plots of about  $\frac{1}{4}$  to  $\frac{1}{2}$  acre, preferably in long, narrow strips, located in, or adjacent to natural cover — such as brushy fence rows, ditch banks, gulleys, or borders, where fruit, berry and seed-bearing trees, shrubs, vines and plants grow naturally, or are planted for the purpose of furnishing natural food and cover for wildlife.

Sow 25 lbs. of seed mixture per acre in spring — preferably broadcasted by hand, since the drill will not equally distribute the mixture, due to the difference in sizes of the various seeds in the mixtures. The mixtures include plants that hold their seeds well through winter, providing food when the wildlife needs it most.

This special mixture is made up of two different formulas, one for the Northern states and one for the Southern states. We'll send the proper mixture of seeds for your locality.

## UPLAND GAME FOOD MIXTURE

SEED at \$38 per 100 lbs.; 25 lbs., \$12.50.

These are dry seeds that can be shipped by freight if desired.

## DUCK WHEAT - GOOSE BUCKWHEAT

This is an excellent food for Pheasants, Quail and other upland game birds. Wild ducks eat it when growing near water. It holds its seed well into cold weather and the birds are extremely fond of it. You can grow a crop on almost any type of soil, mud, peat or even light sandy soil that will hardly grow anything else. We have had excellent growths from our seed even when planted in the "blow sand" of central Illinois. Holding its seed well into winter makes it one of the best upland game bird grains. Sow 50 lbs. per acre in the Spring as per detailed instructions sent with shipment.

SEED: \$10 per 100 lbs.; \$6 for 50 lbs.; 35c per lb. in small lots. These are dry seeds that can be shipped by freight if desired.

## CHUFA

Chufa is one of the best Wild Turkey coaxers. This plant produces hundreds of tiny tubers that attract and hold Wild Turkeys, Quail, Doves and Wild Ducks. It is very easily grown and while a Southern plant, it does produce an abundance of food for the birds as far North as the center of Illinois. This plant is recommended very highly by all game bird food specialists for attracting Wild Turkeys and other game birds. If you have any ponds that can be controlled as to water supply and level, this is an excellent natural food to use. Drain the area, then sow 40 lbs. per acre, and after the plants mature and just prior to the opening of the season, flood the area and then you'll be surprised to see how the ducks "work" in the ponds.

SEED: 100 lbs., \$65; 40 lbs., \$28; smaller lots, 75c lb. These are dry seeds that can be shipped by freight if desired.

## SESBANIA

Plant the seed of this plant as early as possible in the Spring to make certain of a mature crop of food for the birds. Just sow the seed on mud flats, in shallow water or in any low, marshy area for best results. Sow 20 lbs. per acre. The seed produced by this plant is eaten by Quail, Wild Turkeys and other upland game birds and Wild Ducks.

SEED: 100 lbs. or more 45c per lb. Smaller lots, 75c per lb.; 20 lbs. for \$12.

These are dry seeds that can be shipped by freight if desired.



## WILD MILLET (*Echinochloa crus-Galli*)

If you have any mud flats that are flooded during the duck season and just moist the balance of the year the Wild Duck Millet is the food for you plant there. It will grow in ordinary garden soil and that is why it can be used in planting ponds that may be flooded during the duck flight. This is excellent cover and blind plant also, so by one planting you may accomplish a two-fold purpose, both feed and cover. Excellent for Quail, Doves and other upland game birds as well as Wild Ducks and Geese.

We recommend a progressive planting from early in the season until about August 10th in the North and to September 1st in the South. To insure an abundance of food available from the very beginning of the season and throughout. California and areas that have considerable fog sow from March to June. In foggy locations it takes longer to mature. The result will be a stand of the finest food for the game birds as well as wild ducks and geese that will not only attract the birds in flocks but will hold them and give you some of the finest sport you have ever had. Quick growing. 100 lbs. sows 4 acres.

**GRADE A-1 SEED: 100 lbs., \$15; 25 lbs., \$5;**  
smaller lots, 25c lb.

These are dry seeds that can be shipped by freight if desired.



## WILD FLOWERS



### KEY:—

A — Prefer Slightly Acid Soil                      B — Acid-loving Plants  
(See Note On "Acid Soil" At End Of List.)

O — For Open Sunny Places                      S — Shady Places

M — For Bogs or Wet Locations.

\* — Suitable for Rock Gardens.

Other Plants Grow In Neutral To Sweet Lime-Reaction Soils.  
Where No Preference Indicated, Plants Grow In Acid or Sweet Soils, Any Location.

### HARDY LILIES AND BULBOUS PLANTS

	per 12	per 100
<i>Arisaema triphyllum</i> , Indian Jack-in-the-Pulpit, A, M .....	\$2.50	\$15.00
* <i>Convallaria majalis</i> , Lily-of-the-Valley, Sods, M, A .....	3.50	15.00
* <i>Dicentra canadensis</i> , Squirrel Corn .....	2.50	12.00
* <i>Cucullaria</i> , Dutchman's Breeches, S .....	2.50	15.00
<i>Eximia</i> , Fringed Bleedingheart, A, O .....	3.50	25.00
* <i>Erythronium albidum</i> , White Fawnlily .....	3.50	18.00
* <i>Americanum</i> , Common Fawnlily, M, S ...	2.25	15.00
<i>Hendersoni</i> , Henderson Fawnlily .....	2.25	15.00
<i>Tuolumnense</i> , Tuolumne Fawnlily .....	2.25	15.00
<i>Lilium canadense</i> , Canada Lily, first size M, S .....	3.50	20.00
<i>Coccineum</i> , Red Canada Lily .....	3.50	22.00
<i>Flavum</i> , Yellow Canada Lily .....	3.50	20.00
* <i>Philadelphicum</i> , Wood Lily, first size, S, O	3.75	22.00
<i>Superbum</i> , Turkschap Lily, strong selected first size, S, O .....	3.75	25.00
<i>Tigrinum</i> , Tiger Lily, O .....	3.75	22.00
<i>Mertensia virginica</i> , Virginia Bluebells, strong first size .....	3.50	22.00
* <i>Sanguinaria canadensis</i> , Bloodroot, first size, S, M .....	2.75	14.00
* <i>Trillium erectum</i> , Purple Trillium, first size, S .....	3.00	15.00
* <i>Grandiflorum</i> , Snow Trillium, 1st size, S, M	3.00	14.00
* <i>Undulatum</i> , Painted Trillium, 1st size, A, S	3.00	15.00



# HARDY WILD FLOWERS AND GROUND COVER PLANTS

	per 12	per 100
* <i>Actaea alba</i> , White Baneberry, S	\$3.50	\$17.00
* <i>Rubra</i> , Red Baneberry, S or part S	3.50	15.00
<i>Anemone cylindrica</i> , Candle Anemone, O	3.50	15.00
* <i>Quinquefolia</i> , American Wood Anemone	3.50	15.00
* <i>Aquilegia canadensis</i> , American Columbine, O, S	3.50	15.00
<i>Aralia nudicaulis</i> , Wild Sarsaparilla	3.50	19.00
* <i>Asarum canadense</i> , Canada Wild Ginger, M, S, O	3.50	15.00
<i>Asclepias tuberosa</i> , Butterfly Milkweed, O	4.00	22.00
<i>Aster ericoides</i> , Health Aster	3.50	19.00
<i>Linariifolius</i> , Savory Leaf Aster	3.50	19.00
<i>Novaengliae</i> , New England Aster	3.50	15.00
* <i>Chimaphila umbellata</i> , Common Pipsissewa, A	3.00	15.00
* <i>Chiogenes hispidula</i> , Creeping Pearlberry	4.00	22.00
* <i>Claytonia virginica</i> , Virginia Spring Beauty A	3.50	15.00
* <i>Clintonia borealis</i> , Yellow Beadlily, M	3.00	15.00
* <i>Coptis trifolia</i> , Alaska Goldthread, sods, A	3.00	15.00
* <i>Cornus canadensis</i> , Bunchberry Dogwood, 4-in. sods, A	3.50	22.00
<i>Cypripedium acaule</i> , Pink Ladyslipper, large flowering plants, S, A, M	4.25	22.00
<i>Pubescens</i> , Common Yellow Ladyslipper, 1 crown plants, S, M, A	4.25	22.00
<i>Dentaria diphylla</i> , Crinkleroot Toothwort, A	3.00	15.00
* <i>Dodecatheon meadia</i> , Common Shootingstar	3.50	19.00
<i>Epigea repens</i> , Trailing Arbutus, with ball, A	5.50	28.00
<i>Epilobium angustifolium</i> , Fireweed, M, S	3.50	19.00
<i>Eupatorium perfoliatum</i> , Boneset	3.00	15.00
<i>Purpureum</i> , Bluestem Joe-Pye-Weed	3.50	15.00
* <i>Gaultheria procumbens</i> , Checkerberry-Winter-green, sods, O, A	3.00	15.00
<i>Gentiana andrewsi</i> , Andrews Gentian, M, S	3.50	15.00
* <i>Geranium maculatum</i> , Spotted Geranium	3.00	15.00
* <i>Glechoma hederacea</i> , Ground Ivy	3.00	15.00
<i>Hemerocallis fulva</i> , Tawny Day Lily, O	3.00	15.00
* <i>Hepatica acutiloba</i> , Sharplobe Hepatica, 1-2 bud plants, M, S	3.00	15.00
<i>Hibiscus</i> , Mallow, Marvels, 2 yr. No. 1 roots	4.65	30.00
<i>Lespedeza capitata</i> , Roundhead Lespedeza	3.50	19.00
<i>Liatris pycnostachya</i> , Kansas Gayfeather, O	3.50	19.00
* <i>Linaria vulgaris</i> , Butter-and-eggs, Toadflax	3.50	19.00
<i>Lobelia cardinalis</i> , Cardinal Flower, large	3.50	19.00
<i>Siphilitica</i> , Bigblue Lobelia	4.00	19.00
<i>Lychnis flos cuculi</i> , Ragged Robin	2.75	15.00
<i>Lycopodium complanatum</i> flabelliforme, Ground Cedar	3.00	15.00
<i>Obscurum</i> , Groundpine	3.00	19.00
* <i>Lysimachia nummularia</i> , Moneywort, sods	3.50	18.00
<i>Lythrum salicaria</i> , Purple Lythrum, O	3.50	18.00
* <i>Maianthemum canadense</i> , Canada Beadruby, sods	2.75	15.00
<i>Mentha spicata</i> , Spearmint	3.00	15.00
* <i>Mitchella repens</i> , Partridgeberry, sods, A	3.00	15.00
<i>Monarda fistulosa</i> , Wild Bergamot Beebalm	3.00	18.00
* <i>Oxalis acetosella</i> , Woodsorrel Oxalis	4.50	22.00
* <i>Pedicularis canadensis</i> , Early Pedicularis	3.00	17.00
* <i>Phlox bifida</i> , Tenpoint Phlox, clumps	3.75	19.00
<i>Divaricata</i> , Sweetwilliam Phlox, clumps, O or part S	3.75	19.00
<i>Podophyllum peltatum</i> , Common Mayapple, S	3.00	19.00
<i>Polygala paucifolia</i> , Fringed Polygala, sods, A	3.00	15.00
* <i>Polygonatum biflorum</i> , Small Solomonseal, M, S	3.00	16.00
<i>Commutatum</i> , Great Solomonseal	4.00	22.00



	per 12	per 100
* <i>Pyrola americana</i> , American Pyrola, A	\$3.00	\$17.00
* <i>Ranunculus bulbosa</i> , Bulb Buttercup	3.00	16.00
<i>Rudbeckia hirta</i> , Black-eyed Susan	3.00	17.00
<i>Sanguisorba canadensis</i> , American Burnet	3.00	16.00
<i>Saponaria officinalis</i> , Bouncing-Bet, O	3.00	15.00
<i>Saxifraga pennsylvanica</i> , Pennsylvania Saxifrage	3.00	16.00
* <i>Virginicensis</i> , Virginia Saxifrage	3.00	15.00
* <i>Sisyrinchium angustifolium</i> , Blue-eyed Grass	3.00	15.00
<i>Smilacina racemosa</i> , Feather Solomonplume, S, M	3.00	15.00
<i>Solidago sempervirens</i> , Seaside Goldenrod, O	3.75	19.00
* <i>Thalictrum dioicum</i> , Early Meadowrue, S or Semi-S	3.00	15.00
<i>Polygamum</i> , Tall Meadowrue	3.00	15.00
* <i>Tiarella cordifolia</i> , Allegany Foam Flower, S	3.00	16.00
<i>Tradescantia virginiana</i> , Virginia Spiderwort, O	3.00	16.00
<i>Trientalis borealis</i> , American Starflower, A	3.00	16.00
* <i>Uvularia grandiflora</i> , Big Merrybells	3.75	22.00
<i>Verbena hastata</i> , Blue Verbena	3.75	18.00
* <i>Veronica officinalis</i> , Drug Speedwell, O	3.00	15.00
* <i>Vinca minor</i> , Common Periwinkle	3.00	14.00
<i>Viola blanda</i> , Sweet White Violet	3.00	14.00
* <i>Canadensis</i> , Canada violet	3.50	18.00
* <i>Pedata</i> (bicolor), Two color Birdsfoot Violet, strong plants, A	3.00	16.00
<i>Blue Beauty Violet</i> , long-stem, bloom size	3.00	14.00

ACID SOIL — We offer native shredded and screened peat. Very acid and ideal for mixing with soil for hardy ferns and wild flowers. 100 lbs., \$3.50; 500 lbs., \$15.00.

Rotted Pine Needles for mulching and adding to soil for acid loving plants. 3 bushel sack, \$4; 5 sacks, \$17.00.

#### HARDY FERNS

† — Will Succeed In The Open Sun. M — Moist Locations.  
\* — Suitable for Rock Gardens. A — Need Acid Soil.

	per 12	per 100
* <i>Adiantum pedatum</i> , American Maidenhair, M	\$3.00	\$15.00
† <i>Athyrium filixfemina</i> , Lady Fern, A	3.00	14.00
†* <i>Dennstaedtia punctilobula</i> , Hay-scented Fern, A	3.00	15.00
<i>Dryopteris cristata</i> , Crested Wood Fern	3.50	15.00
† <i>Onoclea sensibilis</i> , Sensitive Fern, M	3.50	18.00
<i>Osmunda cinnamomea</i> , Cinnamon Fern	3.50	18.00
* <i>Polypodium vulgare</i> , Common Polypody, sods	3.50	18.00
* <i>Polystichum acrostichoides</i> , Christmas Fern	3.50	16.00
† <i>Pteritis nodulosa</i> , Ostrich Fern, M	3.50	16.00
† <i>Pteridium aquilinum</i> , Bracken	3.50	16.00
†* <i>Woodsia ilvensis</i> , Rusty Woodsia	3.50	17.00

#### HARDY AQUATIC AND BOG PLANTS

	per 12	per 100
<i>Acorus calamus</i> , Drug Sweetflag	\$3.00	\$15.00
<i>Asclepias incarnata</i> , Swamp Milkweed	3.50	15.00
<i>Calla palustris</i> , Wild Calla	3.50	18.00
<i>Caltha palustris</i> , Common Marsh Marigold	3.50	15.00
<i>Iris prismatica</i> , Cubeseed Iris	3.50	18.00
<i>Versicolor</i> , Blue Flag Iris	2.50	12.00
<i>Pseudacorus</i> , Yellow Water Iris	3.00	15.00
<i>Nymphaea odorata</i> , American Waterlily	2.00	12.00
<i>Peltandra virginica</i> , Virginia Arrow-Arum	3.50	8.00
<i>Pontederia cordata</i> , Pickerelweed	2.50	12.50
<i>Sagittaria latifolia</i> , Common Arrowhead	1.00	3.00
<i>Sarracenia purpurea</i> , Common Pitcherplant	3.50	18.00
<i>Thalictrum polygamum</i> , Tall Meadowrue	3.00	15.00
<i>Typha latifolia</i> , Common Cattail	2.50	6.00

*Typha latifolia*, SEED — 50c per lb.; 5 lbs., \$2.00.